STIC Search Report
EIC 2100

STIC Database Tracking Number: 218069

TO: Cheryl Lewis
Location: RND 3b07
Art Unit: 2167
Tuesday, March 13, 2007

Case Serial Number: 10/635728

From: Byron T. Mims
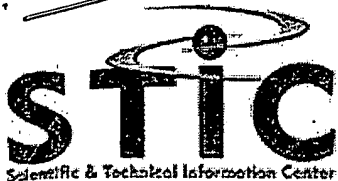Location: EIC 2100
RND-4B19
Phone: 272-3528

byron.mims@uspto.gov

Search Notes

Cheryl

Enclosed are art findings that may be of interest. I have tagged as well as highlighted the enclosed retrieved items, which seemed most relevant. Let me know if there is anything in particular that you would like for me to pursue further.

Byron

218069

STIC EIC 2100
Search Request Form

Today's Date:
3/13/2007

What date would you like to use to limit the search?
Priority Date: 8/5/2003   Other:

Name Cheryl Lewis

AU 2147   Examiner # 72314

Room # 3807   Phone 2-4113

Serial # 10/635,728

Format for Search Results (Circle One):
(PAPER)   DISK   EMAIL

Where have you searched so far?
(USP) DWPI EPO JPO ACM IBM TDB
IEEE INSPEC SPI   Other _____

Is this a "Fast & Focused" Search Request? (Circle One) (YES)   NO
A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Is this request for a BOARD of APPEALS case? (Circle One)   YES   (NO)

Is this case a SPECIAL CASE?   (Circle One)   YES   (NO)

Please see Attached document.

STIC Searcher BMims   Phone 2-3528
Date picked up 3/13/07   Date Completed 3/13/07

```
Set     Items    Description
S1      24697    (NEW??? OR ENHANC? OR UPDATE? ? OR UPDATING? OR UP()DATE? ?
                 OR MODIF? OR REVIS??? OR META)(7N)(SEARCH? OR RESEARCH? OR R-
                 ETRIEV? OR INQUIR? OR QUERY? OR QUERIES OR REQUEST? OR METAQU-
                 ER? OR DATAMIN? OR DATA()MIN??? ?)
S2       3826    S1(7N)(CREAT? OR PRODUC? OR DEVELOP? OR ORIGINAT? OR MAKE?
                 OR MAKING? OR MADE OR GENERAT?)
S3      69238    (ORIGINAL? OR HISTOR? OR OLD??? OR PREVIOUS? OR PRIOR OR S-
                 TORE? ? OR EARLY OR EARLIE? ? OR PRECED??? OR REFEREN?)(7N)(S-
                 EARCH? OR RESEARCH? OR RETRIEV? OR INQUIR? OR QUERY? OR QUERI-
                 ES OR REQUEST?)
S4      18323    S3(7N)(USED OR USES OR USING OR UTILI? OR APPLY? OR APPLIE?
                 ? OR EMPLOY? OR EXECUT? OR PERFORM? OR IMPLEMENT? OR BENEFIT?
                 OR REFERENC?)
S5        297    S2 AND S4
S6          0    S5 AND (METAQUER? OR META()QUER??? ?)
S7          0    S5 AND (PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR DE-
                 TERMIN?)(5N)(BUSINESS? OR COMPAN? OR INDUSTR?)(3N)(PERFORMANC-
                 E? OR OUTLOOK? OR WORTH)
S8          1    S2 AND (PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR DE-
                 TERMIN?)(5N)(BUSINESS? OR COMPAN? OR INDUSTR?)(3N)(PERFORMANC-
                 E? OR OUTLOOK? OR WORTH)
S9          2    S1 AND (PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR DE-
                 TERMIN?)(5N)(BUSINESS? OR COMPAN? OR INDUSTR?)(3N)(PERFORMANC-
                 E? OR OUTLOOK? OR WORTH)
S10         2    S8:S9
S11         4    S3:S4 AND (PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR
                 DETERMIN?)(5N)(BUSINESS? OR COMPAN? OR INDUSTR?)(5N)(PERFORMA-
                 NCE? OR OUTLOOK? OR WORTH)
S12         3    S11 NOT S9
File 350:Derwent WPIX 1963-2006/UD=200717
         (c) 2007 The Thomson Corporation
File 347:JAPIO Dec 1976-2006/Nov(Updated 070228)
         (c) 2007 JPO & JAPIO
```

10/69,K/1   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0014824210 - Drawing available
WPI ACC NO: 2005-171900/200518
XRPX Acc No: N2005-143470
Performance prediction system for use in e.g. Internet, has prediction component using actual and predicted performance of entities and statistical correlation to predict performance based on past and present query data
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)
Inventor: CHESS D M; KRASIKOV S; CHESS D
Patent Family (5 patents, 107 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 20050033734	A1	20050210	US 2003635728	A	20030805	200518	B
WO 2005017667	A2	20050224	WO 2004US23752	A	20040723	200518	E
EP 1652050	A2	20060503	EP 2004779010	A	20040723	200629	E
			WO 2004US23752	A	20040723		
KR 2006061789	A	20060608	WO 2004US23752	A	20040723	200674	E
			KR 2006700239	A	20060104		
CN 1829991	A	20060906	CN 200480021943	A	20040723	200706	E

Priority Applications (no., kind, date): US 2003635728 A 20030805

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20050033734	A1	EN	9	3	
WO 2005017667	A2	EN			

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BW
   BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR
   HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW
   MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR
   TT TZ UA UG US UZ VC VN YU ZA ZM ZW
Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES
   FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI
   SK SL SZ TR TZ UG ZM ZW

EP 1652050	A2	EN	PCT Application	WO 2004US23752
			Based on OPI patent	WO 2005017667

Regional Designated States,Original: AT BE BG CH CY CZ DE DK EE ES FI FR
   GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

KR 2006061789	A	KO	PCT Application	WO 2004US23752
			Based on OPI patent	WO 2005017667

   Alerting Abstract US A1
   NOVELTY - The system has a query component (110) receiving queries (120) for data relevant to probability that a transaction with an entity·is successful. A **meta - query** component returns information regarding previously submitted **queries** . A performance prediction component (113) uses actual and predicted performance of entities and statistical correlations to predict performance based on past and present query data.
   DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

   1.a method to provide performance prediction information

   2.a computer program product stored on a computer readable media for
    · directing operations of a data processor to execute a method to receive submitted queries for performance prediction information

3.a communication device for operation with a performance prediction
   service.

   USE - Used in a data communications network e.g. Internet, that is
utilized for online auction and user rating system application.
   ADVANTAGE - The performance prediction component uses the actual and
predicted performance of entities and statistical correlations to predict
performance based on past and present **query** data, thus **enhancing**
performance prediction results to a user.
   DESCRIPTION OF DRAWINGS - The drawing shows a block diagram that depicts
components of a performance prediction service.
   102 Query database
   105 Communication device
   110 Query component
   112 Data gathering component
   113 Performance prediction component
   120 Queries

Title Terms/Index Terms/Additional Words: PERFORMANCE; PREDICT; SYSTEM;
   COMPONENT; ACTUAL; ENTITY; STATISTICAL; CORRELATE; BASED; PASS; PRESENT;
   QUERY; DATA

Class Codes
International Classification (Main): G06F
International Classification (+ Attributes)

IPC +	Level	Value	Position	Status	Version
G06F-0001/00	A	I	F	B	19680901
G06F-0011/22	A	I	F	B	20060101
G06F-0017/30	A	I		R	20060101
G06F-0017/30	A	I	F	B	20060101
G06Q-0040/00	A	I		R	20060101
G06F-0017/30	A	I	F		20060101
G06F	S	I		R	20060101
G06F-0017/30	C	I		R	20060101
G06Q-0040/00	C	I		R	20060101
G06F-0017/30	C	I			20060101

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J03; T01-J05B3; T01-N03A2; T01-S03

   Alerting Abstract ...120) for data relevant to probability that a
transaction with an entity is successful. A **meta - query** component
returns information regarding previously submitted **queries** . A performance
prediction component (113) uses actual and predicted performance of
entities and statistical correlations...
...predicted performance of entities and statistical correlations to
predict performance based on past and present **query** data, thus **enhancing**
 performance prediction results to a user...

Original Publication Data by Authority

Original Abstracts:
...prediction system and service that uses acquired knowledge of queries
that are received to make **predictions** concerning the **future**
performance of certain entities, such as **business** entities. By analyzing
query patterns and the actual or **predicted** **performance** of **business**
entities, the **performance** **prediction** service is enabled to observe
correlations between queries, query patterns and performance that can be...

...prediction system and service that uses acquired knowledge of queries
that are received to make **predictions** concerning the **future**
performance of certain entities, such as **business** entities. By analyzing
query patterns and the actual or **predicted performance** of **business**
entities, the **performance prediction** service is enabled to observe
correlations between queries, query patterns and performance that can be...

Claims:
...an entity will be successful;a data gathering component for storing
relevant data about submitted **queries** ; anda **meta - query** component
responsive to a **meta - query** for returning information regarding
previously submitted **queries.>**

Your Assignee

10/69,K/2   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0013881804 - Drawing available
WPI ACC NO: 2004-060713/200406
XRPX Acc No: N2004-049156
Product configuration determining method for database management systems,
involves accessing requirements associated with set of underlying basics
and generating recommendation with product for customer presentation
Patent Assignee: INT BUSINESS MACHINES CORP   (IBMC)
Inventor: SYKES H
Patent Family (1 patents, 1 countries)
Patent   Application
Number   Kind   Date   Number   Kind   Date   Update
US 20030225772   A1   20031204 US 2002160922   A   20020531   200406 B

Priority Applications (no., kind, date): US 2002160922 A   20020531

Patent Details
Number   Kind Lan   Pg Dwg Filing Notes
US 20030225772   A1   EN   , 9   3

   Alerting Abstract US A1
   NOVELTY - The method involves **querying** a relational database (101) for
a **meta** -data and **generating** a requirement dialog for a customer input.
The input data indicating customer requirements is accepted and the
requirements are associated with a set of underlying basics. The database
is accessed based on the basics and a recommendation containing a
configured product, which meets the requirements is generated for customer
presentation.
   DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

   1.a program product for determining product configuration

   2.an apparatus for determining product configuration.

   USE - Used for determining a product configuration in a database
management system.
   ADVANTAGE - The relational database efficiently produce competitive
product configurations, which meet customers requirements for various
workloads using different and changing specifications. The customers
requirement input can be automatically filled in from secondary sources
data, thereby identifying invalid configurations and eliminating keying
errors.
   DESCRIPTION OF DRAWINGS - The drawing shows a block diagram of a data
flow utilizing multiple databases and tables.
   101 Relational database
   102 Secondary database
   106 Access program
   109 Maintenance program 1
   112 Configured system

Title Terms/Index Terms/Additional Words: PRODUCT; CONFIGURATION; DETERMINE
  ; METHOD; DATABASE; MANAGEMENT; SYSTEM; ACCESS; REQUIRE; ASSOCIATE; SET;
  UNDERLYING; GENERATE; CUSTOMER; PRESENT

Class Codes
International Classification (Main): G06F-017/00

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F05B2; T01-J05A; T01-J05B4M; T01-N01A; T01-S03

Original Titles:
 Business method for **determining** required product configurations to meet
varied **performance** requirements
     ...NOVELTY - The method involves **querying** a relational database (101)
for a **meta** -data and **generating** a requirement dialog for a customer
input. The input data indicating customer requirements is accepted...

Original Publication Data by Authority

Claims:
...data; (B) querying the relational database for the meta-data and
generating a requirements dialog **for** customer input as a function **of**
the meta- **data** which reflects the current structure of the relational
database; (C) accepting customer input data indicating...

DIALOG(R)File 350:Derwent WPIX
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0011075016 - Drawing available
WPI ACC NO: 2002-010190/200201
Related WPI Acc No: 2003-091442
XRPX Acc No: N2002-008531
**E-commerce installation monitoring method involves reading log files and
querying databases for obtaining stored information and graphically
presenting obtained measurements**
Patent Assignee: AGILENT TECHNOLOGIES INC (AGIL-N); BARTZ T G (BART-I);
  KEHOE J W (KEHO-I); LEHMANN R (LEHM-I); SHRUM K W (SHRU-I)
Inventor: BARTZ T G; BELL M A; KEHOE J W; LEHMANN R; NELSON E M; SHRUM K W;
  SMITH M D
Patent Family (13 patents, 30 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 20010037374	A1	20011101	US 2000200295	P	20000428	200201	B
			US 2001825403	A	20010403		
WO 2001084335	A1	20011108	WO 2001US11826	A	20010410	200201	E
WO 2001084337	A1	20011108	WO 2001US13714	A	20010427	200201	E
WO 2001084432	A1	20011108	WO 2001US13710	A	20010427	200201	E
WO 2001084273	A2	20011108	WO 2001US13705	A	20010427	200201	E
AU 200153377	A	20011112	AU 200153377	A	20010410	200222	E
AU 200157375	A	20011112	AU 200157375	A	20010427	200222	E
AU 200159229	A	20011112	AU 200159229	A	20010427	200222	E
AU 200161069	A	20011112	AU 200161069	A	20010427	200222	E
EP 1277126	A1	20030122	EP 2001926869	A	20010410	200308	E
			WO 2001US11826	A	20010410		
EP 1277127	A1	20030122	EP 2001932723	A	20010427	200308	E
			WO 2001US13714	A	20010427		
EP 1277156	A1	20030122	EP 2001930881	A	20010427	200308	E
			WO 2001US13710	A	20010427		
EP 1277310	A2	20030122	EP 2001934927	A	20010427	200308	E
			WO 2001US13705	A	20010427		

Priority Applications (no., kind, date): US 2000200295 P 20000428; US
  2001825403 A 20010403

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20010037374	A1	EN	5	1	Related to Provisional US 2000200295
WO 2001084335	A1	EN			

National Designated States,Original: AU CN JP
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE
  IT LU MC NL PT SE TR

WO 2001084337	A1	EN			

National Designated States,Original: AU CN JP
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE
  IT LU MC NL PT SE TR

WO 2001084432	A1	EN			

National Designated States,Original: AU CN JP
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE
  IT LU MC NL PT SE TR

WO 2001084273	A2	EN			

National Designated States,Original: AU CN JP
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE
  IT LU MC NL PT SE TR

			Filing Notes
AU 200153377	A	EN	Based on OPI patent · WO 2001084335
AU 200157375	A	EN	Based on OPI patent WO 2001084432

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AU 200159229     A   EN          Based on OPI patent   WO 2001084337
AU 200161069     A   EN          Based on OPI patent   WO 2001084273
EP 1277126       A1  EN          PCT Application  WO 2001US11826
                                 Based on OPI patent   WO 2001084335
Regional Designated States,Original:  AL AT BE CH CY DE DK ES FI FR GB GR
   IE IT LI LT LU LV MC MK NL PT RO SE SI TR
EP 1277127       A1  EN          PCT Application  WO 2001US13714
                                 Based on OPI patent   WO 2001084337
Regional Designated States,Original:  AL AT BE CH CY DE DK ES FI FR GB GR
   IE IT LI LT LU LV MC MK NL PT RO SE SI TR
EP 1277156       A1  EN          PCT Application  WO 2001US13710
                                 Based on OPI patent   WO 2001084432
Regional Designated States,Original:  AL AT BE CH CY DE DK ES FI FR GB GR
   IE IT LI LT LU LV MC MK NL PT RO SE SI TR
EP 1277310       A2  EN          PCT Application  WO 2001US13705
                                 Based on OPI patent   WO 2001084273
Regional Designated States,Original:  AT BE CH CY DE DK ES FI FR GB GR IE
   IT LI LU MC NL PT SE TR
```

Alerting Abstract US A1
NOVELTY – The stored information regarding the performance measurement of
the installation is obtained by reading the log files and querying the
databases. The obtained measurement is then indicated graphically.
DESCRIPTION – INDEPENDENT CLAIMS are also included for the following:

1. Software product for testing and monitoring a web based business
   application;

2. Computer system operating method

USE – For monitoring business and financial performance in e-commerce in
real-time.
ADVANTAGE – The e-commerce installation monitoring method assesses and
reports key business and financial measurements and are delivered in
real-time allowing e-commerce businesses to quickly determine current
financial and business **performance** . Thus quick **detection** and response
to **variations are** enabled.
DESCRIPTION OF DRAWINGS – The figure illustrates the four tier
construction of an Internet server system.

Title Terms/Index Terms/Additional Words: INSTALLATION; MONITOR; METHOD;
   READ; LOG; FILE; OBTAIN; STORAGE; INFORMATION; GRAPHICAL; PRESENT;
   MEASURE

Class Codes
International Classification (Main): G06F, G06F-015/16, G06F-017/60,
   G06F-009/46, H04L-012/26
   (Additional/Secondary): G06F-015/00, G06F-015/173, G06F-003/14

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-H07C5A; T01-H07C5E; T01-H07C5S; T01-J03;
   T01-J05A2; T01-J05B3; T01-J10C1; T01-S03
**E-commerce installation monitoring method involves reading log files and
querying databases for obtaining** stored **information and graphically
presenting obtained measurements**

Alerting Abstract ...delivered in real-time allowing e-commerce
businesses to quickly determine current financial and business **performance**
. Thus quick **detection** and response to **variations are** enabled...

Original Publication Data by Authority

Claims:
...the log files and querying the databases to obtain information stored therein, said information comprising **performance** measurements of the installation; and **graphically** presenting said measurements.

```
Set     Items    Description
S1      25138    (NEW??? OR ENHANC? OR UPDATE? ? OR UPDATING? OR UP()DATE? ?
                 OR MODIF? OR REVIS??? OR META)(7N)(SEARCH? OR RESEARCH? OR R-
                 ETRIEV? OR INQUIR? OR QUERY? OR QUERIES OR REQUEST? OR METAQU-
                 ER? OR DATAMIN? OR DATA()MIN??? ? OR METADATA?)
S2       4253    S1(7N)(CREAT? OR PRODUC? OR DEVELOP? OR ORIGINAT? OR MAKE?
                 OR MAKING? OR MADE OR GENERAT? OR YIELD? OR CONSTRUCT? OR INI-
-                TIAT? OR INTRODUC?)
S3      70095    (ORIGINAL? OR HISTOR? OR OLD??? OR PREVIOUS? OR PRIOR OR S-
                 TORE? ? OR EARLY OR EARLIE? ? OR PRECED??? OR REFEREN?)(7N)(S-
                 EARCH? OR RESEARCH? OR RETRIEV? OR INQUIR? OR QUERY? OR QUERI-
                 ES OR REQUEST? OR METAQUER? OR METADATA? OR META()QUER??? ?)
S4      18573    S3(7N)(USED OR USES OR USING OR UTILI? OR APPLY? OR APPLIE?
                 ? OR EMPLOY? OR EXECUT? OR PERFORM? OR IMPLEMENT? OR BENEFIT?
                 OR REFERENC?)
S5        341    S2 AND S4
S6          5    S1:S5 AND (PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR
                 DETERMIN?)(5N)(BUSINESS? OR COMPAN? OR INDUSTR?)(3N)(PERFORMA-
                 NCE? OR OUTLOOK? OR WORTH)
S7        341    S5 NOT S6
S8         34    S5 AND (NEW??? OR ENHANC? OR UPDAT?)(3N)(QUER??? ?)
S9         34    S8 AND S4
S10        27    S9 NOT (PR>2003 OR PR=2004:2007)
File 350:Derwent WPIX 1963-2006/UD=200717
         (c) 2007 The Thomson Corporation
File 347:JAPIO Dec 1976-2006/Nov(Updated 070228)
         (c) 2007 JPO & JAPIO
```

10/69,K/4   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0014831232   - Drawing available
WPI ACC NO: 2005-178922/200519
Related WPI Acc No: 2005-252852; 2005-331695; 2005-540971; 2005-541281;
  2006-290361
XRPX Acc No: N2005-148971
**Computer readable media stores image retrieval program including steps to
screen several stored images based on query vectors constructed from low
level features of initial image and to modify vectors using client feedback**
Patent Assignee: MICROSOFT CORP   (MICT)
Inventor: RUI Y
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 6859802	B1	20050222	US 1999153730	P	19990913	200519	B
			US 2000660536	A	20000913		

Priority Applications (no., kind, date): US 1999153730 P 19990913; US
  2000660536 A 20000913

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6859802	B1	EN	15	5	Related to Provisional US 1999153730

Alerting Abstract US B1
NOVELTY - An image is analyzed for several low level attributes/features
and a set of multielement **query** vectors is formulated. **Stored** images
are examined **using** the **query** vectors and if client-end feedback is
acquired in response to transmission of a preliminary set of retrieved
images, recasting of the query vectors is performed to facilitate refining
of image search.
DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

  1.image retrieval system;

  2.method of generating query vector;

  3.computer readable medium storing program for generating query vector;

  4.method of generating weight to apply to query vector distance; and

  5.computer readable medium storing program for generating weight to apply
    to query vector distance.

  USE - Digitized storage of images for image retrieval/search
applications.
  ADVANTAGE - Enables the image retrieval procedures more precise.
  DESCRIPTION OF DRAWINGS - The figure shows a flowchart illustrating the
image retrieval process.

Title Terms/Index Terms/Additional Words: COMPUTER; READ; MEDIUM; STORAGE;
  IMAGE; RETRIEVAL; PROGRAM; STEP; SCREEN; BASED; QUERY; VECTOR;
  CONSTRUCTION; LOW; LEVEL; FEATURE; INITIAL; MODIFIED; CLIENT; FEEDBACK

Class Codes
International Classification (Main): G06F-017/30

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B2A; T01-J05B3; T01-J10E; T01-N03A2; T01-S03

...An image is analyzed for several low level attributes/features and a set
of multielement **query** vectors is formulated. **Stored** images are examined
using the **query** vectors and if client-end feedback is acquired in
response to transmission of a preliminary...

Original Publication Data by Authority

Original Abstracts:
...two images match. According to other aspects, relevancy feedback
received regarding previously retrieved images is **used** **during** the query
vector generation and **the** distance determination to influence which
images are subsequently retrieved.
Claims:
...new plurality of query vectors based at least in part on the
feedback;generating a **weighting** of **feature** elements based **at** least in
part on the feedback; andselecting a new set of potentially relevant images
...

...the plurality of feature vectors, wherein fi represents a summation,
over the images in the **set** of potentially **relevant** images, of a product
of a relevance of the image and a distance between the...

Your Assignee

10/69,K/8   (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0013463174 - Drawing available
WPI ACC NO: 2003-554685/200352
XRPX Acc No: N2003-440467
**Automatic search topic identification method in search engine, involves
determining implicit change in** search **topic based on** prior **and** new
results obtained using   search **terms** created **from** previous **and
current input** queries
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: JOHNSON D E; OLES F J
Patent Family (1 patents, 1 countries)
Patent   Application
Number   Kind   Date   Number   Kind   Date   Update
US 6574624   B1   20030603 US 2000640774   A   20000818 200352 B

Priority Applications (no., kind, date): US 2000640774 A   20000818

Patent Details
Number   Kind Lan   Pg Dwg Filing Notes
US 6574624   B1 EN   6   2

   Alerting Abstract US B1
   NOVELTY - The current input **queries** and **previous** input **queries** are
combined to **create   search** terms **using** which **prior** result and **new**
result are obtained. The implicit change in the topic is determined based
on the contents in the **new** result. Successive **queries** are provided by
searching within a set of previous responses to narrow down the documents
within the search, if implicit change is determined.
   USE - For identifying search topic related to text document in search
engine.
   ADVANTAGE - Allows the user to quickly and accurately find the desired
documents, by providing search queries based on previous and current
queries input by the user.
   DESCRIPTION OF DRAWINGS - The figure shows a flowchart explaining the
method of automatic topic identification method.

Title Terms/Index Terms/Additional Words: AUTOMATIC; SEARCH; TOPIC;
   IDENTIFY; METHOD; ENGINE; DETERMINE; IMPLICIT; CHANGE; BASED; PRIOR; NEW;
   RESULT; OBTAIN; TERM; CURRENT; INPUT; QUERY

Class Codes
International Classification (Main): G06F-017/30

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-N03A2

**Automatic search topic identification method in search engine, involves
determining implicit change in** search **topic based on** prior **and** new
results obtained using   search **terms** created **from** previous **and
current input** queries
     ...NOVELTY - The current input **queries** and **previous** input **queries**
are combined to **create   search** terms **using** which **prior** result and
new result are obtained. The implicit change in the topic is determined
based on the contents in the **new** result. Successive **queries** are
provided by searching within a set of previous responses to narrow down the
documents...

Original Publication Data by Authority

Original Abstracts:
...drilling-down on a user's textual free-form natural language query uses
a session **history** **to** interpret successive **queries** in the context **of**
previous queries on a **topic** **or** topics and to detect an implicit switch
in topic. By maintaining a session history of...
Claims:
...terms to search prior results (PR) and return new results (NR); and
detecting an implicit **change** in topic **based** on the **session** **history** ,
said prior results (PR) and said new results (NR) in response to said input
query...

10/69,K/12 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0012988705 - Drawing available
WPI ACC NO: 2003-066419/200306
XRPX Acc No: N2003-051480
Transparent caching and query execution plan reusage method for database management, involves determining match between new query **and** old query **for which** execution **plan has been already** generated
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: ATTALURI G K; WISNESKI D J
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 6466931	B1	20021015	US 1999364755	A	19990730	200306	B

Priority Applications (no., kind, date): US 1999364755 A 19990730

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6466931	B1	EN	8	3	

Alerting Abstract US B1
NOVELTY - A query containing a specific constant represented by a parameter name and for which an execution plan has been **generated** , is cached. A **new** **query** containing another constant is received. Signatures are **generated** for both the queries, so as to determine a match between them even if their constants differ. The already generated execution plan is reused by substituting the parameter name if the queries match.
DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1.Transparent caching and query execution plan reusage system; and

2.Computer readable medium storing transparent caching and query execution plan reusage program.

USE - For caching transparently and for reusing database query execution plan for database management in object-oriented relational database environment.
ADVANTAGE - Increases system speed, by avoiding the generation of a new query execution **plan** for a **new** **query** if an already generated **plan is** reusable, based on **a** flexible matching condition.
DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the operating environment.

Title **Terms**/Index Terms/Additional Words: TRANSPARENT; QUERY; EXECUTE; PLAN ; METHOD; DATABASE; MANAGEMENT; DETERMINE; MATCH; NEW; GENERATE
Class Codes
International Classification (Main): G06F-017/30

File Segment: EPI;
DWPI Class: T01; U14
Manual Codes (EPI/S-X): T01-H03A; T01-J05B3; T01-J05B4B; T01-S03; U14-A08B

and for which an execution plan has been **generated** , is cached. A **new query** containing another constant is received. Signatures are **generated** for both the queries, so as to determine a match between them even if their ...

...ADVANTAGE - Increases system speed, by avoiding the generation of a new query execution **plan** for a **new query** if an already generated **plan is** reusable, based on **a** flexible matching condition...

Original Publication Data by Authority

Original Abstracts:
...a parameter name. The method and system further include receiving a new query that contains **a second** constant and comparing the new query with the **first query** . A match is determined to exist even when the second constant fails to match the...

...in the query execution plan with the second constant from the new query, thereby avoiding **generating a** new query

Claims:
...name; (b) receiving a new query that contains a second constant; (c) generating signatures for **the new** query and the first query; (d) if the **signatures** match, comparing the **new query** with the first **query** and determining that a match exists even when the **second constant** fails to match the first constant; and (e) upon a match, reusing the first query

DIALOG(R)File 350:Derwent WPIX

0012494858 - Drawing available
WPI ACC NO: 2002-442353/200247
XRPX Acc No: N2002-348349
Query processing in computer database system involves extracting inner query block from original query and merging portion of inner query block with outer query block
Patent Assignee: ORACLE CORP (ORAC-N)
Inventor: WITKOWSKI A
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 6370524	B1	20020409	US 1999283755	A	19990402	200247	B

Priority Applications (no., kind, date): US 1999283755 A 19990402

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6370524	B1	EN	23	6	

  Alerting Abstract US B1
  NOVELTY - A query comprising an inner query block included in an outer query block, is received. The inner query block is extracted from the original query and a portion of the inner query block is merged with the outer query block, to generate a transformed query which is then processed.
  DESCRIPTION - An INDEPENDENT CLAIM is included for computer readable medium comprising query processing program.
  USE - For processing query in computer database system.
  ADVANTAGE - Since the received query is transformed, the number of processing steps is reduced.
  DESCRIPTION OF DRAWINGS - The figure shows a flowchart explaining the query processing method.

Title Terms/Index Terms/Additional Words: QUERY; PROCESS; COMPUTER;
  DATABASE; SYSTEM; EXTRACT; INNER; BLOCK; ORIGINAL; MERGE; PORTION; OUTER

Class Codes
International Classification (Main): G06F-017/30

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-E01C; T01-J05B3; T01-S03

Original Publication Data by Authority

Original Abstracts:
Queries having a outer query block enclosing an inner **query** block, such as a **reference** to a view or a subquery, with a grouping operator, such as GROUP or DISTINCT...

...the inner query block into the outer query block. The FROM clause of the transformed **query** includes the tables **referenced** in the FROM clauses of the outer **query** block and the inner **query** block. A **new** GROUP BY clause is **created** for the outer **query** block that contains the rowids of tables **referenced** in the FROM list of the **original**   **query** and the expressions in the GROUP BY clause of the inner query block. The outer...

Claims:
A method of processing a query in a database system, comprising the computer-implemented steps of :receiving an original query that contains **an   inner** query block with a **grouping** operator, said inner query block being embedded in an outer query block;transforming the original...

0012277202
WPI ACC NO: 2002-217957/200228
XRPX Acc No: N2002-167027
Hypertext documents evaluation method using search engine, involves calculating real relevance value for each document based on precalculated relevance value and cross references of document
Patent Assignee: DEUT TELEKOM AG (DEBP)
Inventor: EWERT M; HOPPE T; OERTEL H; PAULUS O K
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
DE 10029644	A1	20020117	DE 10029644	A	20000616	200228	B

Priority Applications (no., kind, date): DE 10029644 A 20000616

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
DE 10029644	A1	DE	5	0	

Alerting Abstract DE A1
NOVELTY - The evaluation of hypertext document is carried out in three phases namely **construction** phase, **updating** phase and **query** phase. The real relevance value for each document is calculated based on the relevance value precalculated in construction phase and cross **references** of the document determined in the **query** phase.
DESCRIPTION - An index server evaluates the hypertext document in three phases namely **construction** phase, **updating** phase and **query** phase. In the **construction** phase, a **new** document entry is applied for each address determined by the identified index references. A new term entry is applied for each identified concept, if specially marked test contents are identified in the document and a partial reference value is precalculated for each concept. In the updating phase, the documents whose contents are changed, are separated and the relevant term entries are **updated** . In the **query** phase, data are determined from the indexing component depending on the type of query such as simple query, complex query, Bootsche query or phrase query.
USE - For evaluation of hypertext documents using search engine.
ADVANTAGE - By calculating the real relevance value, more accurate indexing of hypertext document is enabled.

Title Terms/Index Terms/Additional Words: DOCUMENT; EVALUATE; METHOD; SEARCH; ENGINE; CALCULATE; REAL; RELEVANT; VALUE; BASED; CROSS; REFERENCE
Class Codes
International Classification (Main): G06F-017/30
 (Additional/Secondary): G06F-003/00

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B1; T01-J05B3; T01-J11C1

Alerting Abstract ...NOVELTY - The evaluation of hypertext document is carried out in three phases namely **construction** phase, **updating** phase and **query** phase. The real relevance value for each document is calculated based on the relevance value precalculated in construction phase and cross **references** of the document determined in the **query** phase.DESCRIPTION - An index server evaluates the hypertext document in three phases namely

construction phase, **updating** phase and **query** phase. In the
construction phase, a **new** document entry is applied for each address
determined by the identified index references. A new...

...phase, the documents whose contents are changed, are separated and the
relevant term entries are **updated** . In the **query** phase, data are
determined from the indexing component depending on the type of query such
...

DIALOG(R)File 350:Derwent WPIX

0011239041 - Drawing available
WPI ACC NO: 2002-178651/200223
XRPX Acc No: N2002-135821
Executing a correlated database query for selecting data records, involves computing subquery value by combining the computed result with the retrieved cached result
Patent Assignee: SYBASE INC (SYBA-N)
Inventor: BELLO R G; KIRK S A; MACNICOL R D; RAO J; YANG K T
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 6341281	B1	20020122	US 199881782	P	19980414	200223	B
			US 1999285408	A	19990402		

Priority Applications (no., kind, date): US 199881782   P 19980414; US
   1999285408 A 19990402

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6341281	B1	EN	27	14	Related to Provisional US 199881782

  Alerting Abstract US B1
   NOVELTY - Correlated and uncorrelated portions of a received database
query is determined. A cache is then created in the memory to store the
result computed for the uncorrelated portion after the subquery has been
executed for the first time. The query is then executed by evaluating the
expression of the subquery by computing a result for the correlated
portion.
   DESCRIPTION - The cached result for the uncorrelated portion of the
subquery is then retrieved. A subquery value is then computed by combining
the computed result with the retrieved cached result.
   INDEPENDENT CLAIMS are also included for the following:

   1.a query execution system;

   2.a client-server database system

   USE - For computer system.
   ADVANTAGE - Prevents unnecessary execution of the invariant portion of
the subquery, especially if the number of iterations is large. Teaches an
existing join optimizer to understand the invariant feature and thus allow
it to be able to generate better join plans in the new context. Provides
significantly better performance than the traditional nested iteration
method.
   DESCRIPTION OF DRAWINGS - The figure shows the block diagram illustrating
the use of a subquery.

Title Terms/Index Terms/Additional Words: EXECUTE; CORRELATE; DATABASE;
   QUERY; SELECT; DATA; RECORD; COMPUTATION; VALUE; COMBINATION; RESULT;
   RETRIEVAL

Class Codes
International Classification (Main): G06F-017/30

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B3; T01-J05B4M

Original Publication Data by Authority

Original Abstracts:
...join optimizer to understand the invariant feature and thus allow it to be able to **generate** better join plans in the **new** context. When **query** rewriting is not possible, therefore, the invariant technique provides significantly better performance than the traditional...

Claims:
...said inner query block comprising a subquery nested within the database query, wherein said at **least** one subquery references information from said **outer** query block; (b) determining **at** least one correlated part and at least one uncorrelated part of said subquery, wherein only...

0011011224 - Drawing available
WPI ACC NO: 2001-636655/200173
**Method for offering last updated information in information retrieval
system over internet**
Patent Assignee: WIPS CO LTD (WIPS-N)
Inventor: AHN J E; KIM Y H
Patent Family (1 patents, 1 countries)
Patent   Application
Number   Kind   Date   Number   Kind   Date   Update
KR 2001044143   A   20010605 KR 200070178   A   20001124 200173 B

Priority Applications (no., kind, date): KR 200070178   A   20001124

Patent Details
Number   Kind Lan   Pg Dwg Filing Notes
KR 2001044143   A   KO   1   10

   Alerting Abstract KR A
   NOVELTY - A last updated information service method is provided to
automatically search information from a database by search queries set in
advance, to transmit the search result to a user via an e-mail, and to
solve problems caused when the number of searched information is large so
that it enhances a speed and an easiness in offering customized information
service.
   DESCRIPTION - The method comprises steps of a user accessing a new
information service site(S2), the user requesting the new information
service(S3), the user inputting personal data necessary for the
service(S4), the user selecting wanted fields and inputting combined search
queries(S5), the service site storing the combined **search   queries** (S6),
the service site executing the **stored   search   queries** every time the
new data is **updated** (S7), the service site **making** HTML document on the
searched result(S8), the service site storing the HTML document on a
personalized area(S9), the service site transmitting new update
notification mail to the user with a hyper link data(S10), and the user
clicking on the hyper link data(S13).

Title Terms/Index Terms/Additional Words: METHOD; OFFER; LAST; UPDATE;
   INFORMATION; RETRIEVAL; SYSTEM

Class Codes
International Classification (Main): G06F-017/30

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B

   Alerting Abstract ...selecting wanted fields and inputting combined
search queries(S5), the service site storing the combined **search   queries**
(S6), the service site executing the **stored   search   queries** every time
the **new** data is **updated** (S7), the service site **making** HTML document on
the searched result(S8), the service site storing the HTML document on...

0009896890
WPI ACC NO: 2000-195380/200017
XRPX Acc No: N2000-144526
Information retrieval method uses both the probability that a document is relevant independent of query words and the probability that the query as generated by a particular document
Patent Assignee: GENUITY INC (GENU-N); GTE INTERNETWORKING INC (SYLV);
   GTE SERVICE CORP (SYLV); LEEK T R (LEEK-I); MILLER D R H (MILL-I);
   SCHWARTZ R M (SCHW-I)
Inventor: LEEK T R; MILLER D R H; SCHWARTZ R M
Patent Family (7 patents, 85 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 2000007122	A1	20000210	WO 1999US16983	A	19990728	200017	B
AU 199952343	A	20000221	AU 199952343	A	19990728	200029	E
EP 1131746	A1	20010912	EP 1999937529	A	19990728	200155	E
			WO 1999US16983	A	19990728		
US 6405188	B1	20020611	US 1998127685	A	19980731	200244	E
JP 2002521767	W	20020716	WO 1999US16983	A	19990728	200261	E
			JP 2000562844	A	19990728		
US 20020138478	A1	20020926	US 1998127685	A	19980731	200265	E
			US 200295821	A	20020312		
US 7162468	B2	20070109	US 1998127685	A	19980731	200705	E
			US 200295821	A	20020312		

Priority Applications (no., kind, date): US 1998127685 A 19980731; US
   200295821   A 20020312

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2000007122	A1	EN	34	4	

National Designated States,Original: AE AL AM AT AU AZ BA BB BG BR BY CA
   CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
   KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG
   SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW
Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH
   GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

Number	Kind	Lan	Filing Notes
AU 199952343	A	EN	Based on OPI patent WO 2000007122
EP 1131746	A1	EN	PCT Application WO 1999US16983
			Based on OPI patent WO 2000007122

Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR
   IE IT LI LT LU LV MC MK NL PT RO SE SI

Number	Kind	Lan	Pg	Filing Notes
JP 2002521767	W	JA	34	PCT Application WO 1999US16983
				Based on OPI patent WO 2000007122
US 20020138478 1998127685	A1	EN		Continuation of application US
US 7162468 1998127685	B2	EN		Continuation of application US
				Continuation of patent US 6405188

Alerting Abstract WO A1
   NOVELTY - A second pass identifies documents using additional words found
in the highest ranked documents. To this end a **new** **query** is **generated**
based on words found in the highest ranked documents. A generative model
models the process of the user creating a query by using a hidden Markov
model.
   DESCRIPTION - The probability that a document is relevant independent of

a **query** seeking documents may be determined by **reference** to **retrieval history** , e.g. that documents from certain sources tend to be more relevant than others. This is used to reformulate the probability of a document being relevant to a particular query word(s) using Bayes' rule and the probability that the query was generated by a particular document given that document is relevant. These probabilities are calculated and then ranked in order. INDEPENDENT CLAIMS are included for
  1.a data processing system arranged to retrieve information

  2.and a computer readable medium containing instructions to cause a data processing system to retrieve information.

  USE - Retrieving information from digital libraries.
  ADVANTAGE - The use of probabilities allows more accurate retrieval.

Title Terms/Index Terms/Additional Words: INFORMATION; RETRIEVAL; METHOD; PROBABILITY; DOCUMENT; RELEVANT; INDEPENDENT; QUERY; WORD; GENERATE

Class Codes
International Classification (Main): G06F-017/30
International Classification (+ Attributes)
IPC + Level Value Position Status Version
  G06F-0017/30 A I   R 20060101
  G06F-0017/30 A I F B 20060101
  G06F-0017/30 C I   R 20060101

File Segment: EngPI; EPI;
DWPI Class: T01; W04; P86
Manual Codes (EPI/S-X): T01-J05B1; T01-J05B3; W04-V05

  Alerting Abstract ...identifies documents using additional words found in the highest ranked documents. To this end a **new** **query** is **generated** based on words found in the highest ranked documents. A generative model models the process...
DESCRIPTION - The probability that a document is relevant independent of a **query** seeking documents may be determined by **reference** to **retrieval history** , e.g. that documents from certain sources tend to be more relevant than others. This...

Original Publication Data by Authority

Original Abstracts:
...consistent with the present invention provide an improved IR system that performs information retrieval by **using** probabilities. When **performing** information **retrieval** , the improved IR system **utilizes** both the **prior** probability (410) that a document is relevant independent of the query as well as the...

...consistent with the present invention provide an improved IR system that performs information retrieval by **using** probabilities. When **performing** information **retrieval** , the improved IR system **utilizes** both the **prior** probability that a document is relevant independent of the query as well as the probability that performs information retrieval by **using** probabilities. When **performing** information **retrieval** , the improved IR system **utilizes** both the **prior** probability that a document is relevant independent of the query as well as the probability...

...consistent with the present invention provide an improved IR system that performs information retrieval by **using** probabilities. When **performing**

information **retrieval** , the improved IR system **utilizes** both the **prior** probability that a document is relevant independent of the query as well as the probability...

...consistent with the present invention provide an improved IR system that performs information retrieval by **using** probabilities. When **performing** information **retrieval** , the improved IR system **utilizes** both the **prior** probability (410) that a document is relevant independent of the query as well as the...

Claims:
...the final relevancy score;selecting a number of ranked information items to be used in **generating** a **new** **query** ;identifying words found in common among the selected number of ranked information items; **generating** the **new** **query** , wherein the **new** **query** includes the **query** word and the words found in common among the selected number of ranked information items;retrieving a number of information items found to be relevant based on the **new** **query** ; andpresenting the list of relevant information items to the user...

DIALOG(R)File 350:Derwent WPIX
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0009814869 - Drawing available
WPI ACC NO: 2000-105192/200009
Related WPI Acc No: 2001-449830
XRPX Acc No: N2000-080819
Search queries refining assistance method in computer system
Patent Assignee: AMAZON.COM (AMAZ-N); AMAZON.COM INC (AMAZ-N)
Inventor: BOWMAN D E; HAMRICK M L; KOHN T R; ORTEGA R E; SPIEGEL J R
Patent Family (6 patents, 85 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 6006225	A	19991221	US 199889244	P	19980615	200009	B
			US 1998145360	A	19980901		
WO 1999066427	A1	19991223	WO 1999US13035	A	19990611	200009	E
AU 199946783	A	20000105	AU 199946783	A	19990611	200024	E
EP 1104567	A1	20010606	EP 1999930195	A	19990611	200133	E
			WO 1999US13035	A	19990611		
JP 2002518748	W	20020625	WO 1999US13035	A	19990611	200243	E
			JP 2000555183	A	19990611		
MX 2000012374	A1	20020401	WO 1999US13035	A	19990611	200363	E
			MX 200012374	A	20001213		

Priority Applications (no., kind, date): US 199889244 P 19980615; US
   1998145360 A 19980901

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 6006225	A	EN	21	9	Related to Provisional US 199889244
WO 1999066427	A1	EN			

National Designated States,Original: AE AL AM AT AU AZ BA BB BG BR BY CA
   CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
   KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG
   SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW
Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH
   GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

AU 199946783	A	EN		Based on OPI patent	WO 1999066427
EP 1104567	A1	EN		PCT Application	WO 1999US13035
				Based on OPI patent	WO 1999066427

Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE
   IT LI LU MC NL PT SE

JP 2002518748	W	JA	52	PCT Application	WO 1999US13035
				Based on OPI patent	WO 1999066427
MX 2000012374	A1	ES		PCT Application	WO 1999US13035
				Based on OPI patent	WO 1999066427

  Alerting Abstract US A
  NOVELTY - The search queries submitted to the search engine over a period
of time, are processed to generate query term correlation data. A data
structure which links the key terms to the related terms is generated based
on correlation's between occurrences of terms with historical query
submissions. The data structure is accessed to look-up related terms.
  DESCRIPTION - The query term correlation data reflects frequencies with
which query terms appear together within the same search query. For each
query term in the search query, a set of terms that have previously
occurred in combination with respective query term within a successful
query is identified. The query terms are presented so as to allow the user
to refine the search query. An INDEPENDENT CLAIM is also included for the
system for generating related terms to facilitate interactive refinement of
search queries.

USE - For internet users.
   ADVANTAGE - The related terms can be identified and presented to the user
till or no added delay, because they are identified from previously
generated correlation data, without the need to parse documents or
correlate terms.
   DESCRIPTION OF DRAWINGS - The figure illustrates the process to generate
the correlation table.

Title Terms/Index Terms/Additional Words: SEARCH; QUERY; REFINE; ASSIST;
   METHOD; COMPUTER; SYSTEM

Class Codes
International Classification (Main): G06F-017/30

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-H07C5A; T01-H07C5E; T01-J05B3; T01-J05B4A

Original Publication Data by Authority

Original Abstracts:
...correlation data which reflects the frequencies with which specific
terms have previously appeared within the **same** query. The correlation
data **is** generated and stored in a look- **up** table (137) using an off-line
 process (136) which parses a query log file (135). The table (137) is
regenerated periodically from...

...selected from the table (137) so as to guarantee that the modified
queries will not **produce**   a NULL query **result** .

   . . .

...frequencies with which specific terms have previously appeared within
the same query. The correlation data **is** generated and stored in **a**
look-up table using an off- **line** process which parses a query **log** file.
The table is regenerated periodically from the most recent query
submissions (e.g., the...

...so as to guarantee that the modified queries will not produce a NULL
query result.

       . . .

...have previously appeared within the same query. The correlation data is
generated and stored in **a** look-up table (137) **using** an off-line process
(136) which **parses** a query log file (135). The **table** (137) is
regenerated periodically from the most recent query submissions (e.g., the
last two...

...the modified queries will not produce a NULL query result.

Claims:
...to a community of users, a method of assisting users in refining search
queries to **enhance** discovery, **the** method comprising the
computer-implemented steps of:(a) processing search queries submitted to
the search...

DIALOG(R)File 350:Derwent WPIX
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0008632356 - Drawing available
WPI ACC NO: 1998-169366/199815
Related WPI Acc No: 1998-169367
XRPX Acc No: N1998-134416
**Updating view of unstructured database represented by edge-labelled tree -
performing** update query **on added part of database when addition to
database occurs having first determined in which portion of database that
addition is made**
Patent Assignee: AT & T CORP   (AMTT)
Inventor: SUCIU D
Patent Family (3 patents, 21 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 1998008170	A1	19980226	WO 1997US14336	A	19970815	199815	B
US 5987449	A	19991116	US 199624504	P	19960823	200001	E
			US 1997905804	A	19970812		
US 5999926	A	19991207	US 199624504	P	19960823	200004	E
			US 1997910010	A	19970812		

Priority Applications (no., kind, date): US 1997905804 A 19970812; US
    199624504   P 19960823; US 1997910010 A 19970812

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1998008170	A1	EN	28	11	

National Designated States,Original: CA JP MX
Regional Designated States,Original: AT BE CH DE DK ES FI FR GB GR IE IT
    LU MC NL PT SE

| US 5987449 | A | EN | | | Related to Provisional US 199624504 |
| US 5999926 | A | EN | | | Related to Provisional US 199624504 |

Alerting Abstract WO A1
   The view of a database is represented by an edge-labelled tree. An update
entry is applied to an added part of the database. The results of the
update   query are added to the view to **generate** an updated view.
   The database is further decomposed into several database portions based
on a query. The query is decomposed into several **update   queries** . Each
of the **update   queries** corresponds to one of the database portions. One
of the database portions is identified that contains the added part.
Finally, one of the **update   queries** is applied that corresponds to an
identified database portion as the **update   query** .
   ADVANTAGE - Technique maintains view that reduces cost and time required
to incorporate database updates.

Title Terms/Index Terms/Additional Words: UPDATE; VIEW; UNSTRUCTURED;
    DATABASE; REPRESENT; EDGE; LABEL; TREE; PERFORMANCE; QUERY; ADD; PART;
    OCCUR; FIRST; DETERMINE; PORTION; MADE

Class Codes
International Classification (Main): G06F-017/30

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05B4M

   ...**performing** update   query **on added part of database when addition to**

database occurs having first determined in which...

Alerting Abstract ...update entry is applied to an added part of the database. The results of the **update query** are added to the view to **generate** an updated view...

...decomposed into several database portions based on a query. The query is decomposed into several **update queries** . Each of the **update queries** corresponds to one of the database portions. One of the database portions is identified that contains the added part. Finally, one of the **update queries**0 is applied that corresponds to an identified database portion as the **update query** .

Original Publication Data by Authority

Original Abstracts:
...of the database the addition is made. Then an update query is performed on the **added** portion. The **update query** is determined by selecting a state corresponding **to a** portion as a root state and ignoring all previous states and transitions. The update query is applied **to** the portion of the **database that** the **addition** is made. The result of the update query is incorporated **with** the results of the **query to** produce an updated view.

...

...is made. Then an update query is performed on the added portion. The update query **is** determined by **selecting a** state corresponding to a portion as a **root state** and ignoring all previous states and transitions. The update query is applied to the portion of the **database** to which the addition **is made** . The **result** of the update query is incorporated with the results of the **query** to produce an updated **view.**

Claims:
...an added part of the unstructured database; adding the results of the update query to **the view** to generate an updated view; decomposing the unstructured database into a plurality of unstructured database **portions based** on a query; decomposing **the** query **into** a plurality of update queries, each of the update queries corresponding to one of the unstructured database portions; identifying one of the database portions that contains the **added part** ; and applying one **of the** update queries that corresponds to an identified database portion as the update query.

DIALOG(R)File 350:Derwent WPIX

0008025280 - Drawing available
WPI ACC NO: 1997-118681/199711
XRPX Acc No: N1997-097824
User query to database table query matching for computer databases - has program that compares user query to sub-queries of tables to generate list of only tables where sub-query includes portion of user query
Patent Assignee: WISCONSIN ALUMNI RES FOUND (WISC)
Inventor: IOANNIDIS Y E; SOLOMON M H; TSATALOS O G
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 5600829	A	19970204	US 1994300670	A	19940902	199711	B

Priority Applications (no., kind, date): US 1994300670 A 19940902

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5600829	A	EN	12	22	

   Alerting Abstract US A
   The database includes at least two tables of stored data with physical structures that link data of particular attributes together according to relations. A sub-query is in the same form as the user query. A different sub-query is associated with each table and describes all of the attributes and relations of the table in query form. A program operating on an electronic computer communicates with the memory to accept a user query for the database from a user, compare the user query to the sub-queries of the tables to generate a list of only the tables where the sub-query includes a portion of the user query. The program operating on the electronic computer also **generates** a **new** **query** equivalent to the user **query** but directed to at least one table on the list. Executes the **new** **query** in place of the user query to respond to the user query.
   ADVANTAGE - Permits drafting of **query** without **reference** to physical structure of data in computer memory.

Title Terms/Index Terms/Additional Words: USER; QUERY; DATABASE; TABLE; MATCH; COMPUTER; PROGRAM; COMPARE; SUB; GENERATE; LIST; PORTION

Class Codes
International Classification (Main): G06F-017/30

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-H07C3E; T01-J05B4M

   Alerting Abstract ...includes a portion of the user query. The program operating on the electronic computer also **generates** a **new** **query** equivalent to the user **query** but directed to at least one table on the list. Executes the **new** **query** in place of the user query to respond to the user query...

...ADVANTAGE - Permits drafting of **query** without **reference** to physical structure of data in computer memory.

0007798047 - Drawing available
WPI ACC NO: 1996-424973/199642.
XRPX Acc No: N1996-357846
**Generating computer programs for database queries and prototyping -
creating object-oriented diagram of data structures within database as
object classes and relationships, transforming classes to specify** query ,
revising **diagram of** query **and automatically** generating **code**
Patent Assignee: GENERAL ELECTRIC CO (GENE)
Inventor: BLAHA M R; PREMERLANI W J; RUMBAUGH J E; SALEMME R M
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 5555367	A	19960910	US 1994315514	A	19940930	199642	B

Priority Applications (no., kind, date): US 1994315514 A 19940930

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5555367	A	EN	16	8	

Alerting Abstract US A
  Computer programs are generated for queries by manipulating an
object-oriented diagram. A query is specified for the object diagram. A
series of transformations are performed on the object classes within the
object diagram in accordance with the query.
  A **revised** object diagram representative of the **query** is then
produced . Computer code is then automatically **generated** for the **query**
from the **revised** object diagram. The code is **used** to prototype programs
that **query** and/or **update** data **stored** in a database.
  ADVANTAGE - Improves programmer **productively** and reduces errors in
coding database **query** and **update** operations.

Title Terms/Index Terms/Additional Words: GENERATE; COMPUTER; PROGRAM;
  DATABASE; QUERY; OBJECT; ORIENT; DIAGRAM; DATA; STRUCTURE; CLASS; RELATED
  ; TRANSFORM; SPECIFIED; AUTOMATIC; CODE

Class Codes
International Classification (Main): G06F-003/14

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J20B
**...diagram of data structures within database as object classes and
relationships, transforming classes to specify** query. , revising **diagram
of** query **and automatically** generating **code**

 Alerting Abstract ...A revised object diagram representative of the
query is then **produced** . Computer code is then automatically **generated**
for the **query** from the **revised** object diagram. The code is **used** to
prototype programs that **query** and/or **update** data **stored** in a database
...

...ADVANTAGE - Improves programmer **productively** and reduces errors in
coding database **query** and **update** operations.

Original Publication Data by Authority

Original Abstracts:
...the object classes within the object diagram in accordance with the query. A revised object **diagram** representative **of** the query is then produced. **Computer** code is **then** automatically generated for the query **from** the revised **object** diagram. The **code** is used to prototype programs **that** query and/or update **data** stored in **a** database.

Claims:
...of the query;</br>producing a revised object-oriented diagram representative of the query; and</br>automatically **generating** a code **for** the **query** from the revised object-oriented diagram.

```
Set      Items    Description
S1       77019    (NEW??? OR ENHANC? OR UPDATE? ? OR UPDATING? OR UP()DATE? ?
                  OR MODIF? OR REVIS??? OR REFIN? OR META)(7N)(SEARCH? OR RESE-
                  ARCH? OR RETRIEV? OR INQUIR? OR QUERY? OR QUERIES OR REQUEST?
                  OR METAQUER? OR DATAMIN? OR DATA()MIN??? ? OR METADATA?)
S2       17652    S1(7N)(CREAT? OR PRODUC? OR DEVELOP? OR ORIGINAT? OR MAKE?
                  OR MAKING? OR MADE OR GENERAT? OR YIELD? OR CONSTRUCT? OR INI-
                  TIAT? OR INTRODUC?)
S3       393753   (ORIGINAL? OR HISTOR? OR OLD??? OR PREVIOUS? OR PRIOR OR S-
                  TORE? ? OR EARLY OR EARLIE? ? OR PRECED??? OR REFEREN?)(7N)(S-
                  EARCH? OR RESEARCH? OR RETRIEV? OR INQUIR? OR QUERY? OR QUERI-
                  ES OR REQUEST? OR METAQUER? OR METADATA? OR META()QUER??? ? OR
                  DATMIN?)
S4       49242    S3(7N)(USED OR USES OR USING OR UTILI? OR APPLY? OR APPLIE?
                  ? OR EMPLOY? OR EXECUT? OR PERFORM? OR IMPLEMENT? OR BENEFIT?
                  OR REFERENC?)
S5       1233     S2(100N)S4
S6       251      S1:S5(100N)(PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR
                  DETERMIN? OR PROBABIL?)(5N)(BUSINESS? OR COMPAN? OR INDUSTR?-
                  )(3N)(PERFORMANCE? OR OUTLOOK? OR WORTH)
S7       530      S5:S6(100N)(NEW??? OR ENHANC? OR UPDAT?)(3N)(QUER??? ? OR -
                  SEARCH? OR QUESTION?)
S8       7        S7(100N)(METAQUER? OR META()QUER??? ? OR DATAMIN? OR DATA(-
                  )(MINE? ? OR MINING))
S9       523      S7 NOT S8
S10      74       S9(50N)(PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR DE-
                  TERMIN? OR PROBABIL?)(5N)(BUSINESS? OR COMPAN? OR INDUSTR?)(3-
                  N)(PERFORMANCE? OR OUTLOOK? OR WORTH)
S11      74       S10(25N)(PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR D-
                  ETERMIN? OR PROBABIL?)(5N)(BUSINESS? OR COMPAN? OR INDUSTR?)(-
                  3N)(PERFORMANCE? OR OUTLOOK? OR WORTH)
S12      74       S11(10N)(PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR D-
                  ETERMIN? OR PROBABIL?)(5N)(BUSINESS? OR COMPAN? OR INDUSTR?)(-
                  3N)(PERFORMANCE? OR OUTLOOK? OR WORTH)
S13      74       S12(10N)(PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR D-
                  ETERMIN? OR PROBABIL?)(3N)(BUSINESS? OR COMPAN? OR INDUSTR?)(-
                  3N)(PERFORMANCE? OR OUTLOOK? OR WORTH)
S14      49       S13 NOT (AD>2003 OR AD=2004:2007)
S15      2        S14(10N)(NEW??? OR ENHANC? OR UPDAT?)()(QUER??? ? OR SEARCH
                  OR QUESTION?)
S16      47       S14 NOT S15
S17      16       S16 NOT ACCENTUR?
File 348:EUROPEAN PATENTS 1978-2007/ 200708
         (c) 2007 European Patent Office
File 349:PCT FULLTEXT 1979-2007/UB=20070308UT=20070301
         (c) 2007 WIPO/Thomson
```

8/5,K/3   (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2007 European Patent Office. All rts. reserv.

01014239
**SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR PATENT-CENTRIC AND
    GROUP-ORIENTED DATA PROCESSING**
**SYSTEM, VERFAHREN UND PROGRAMPRODUKT ZUR GRUPPENORGANISIERTEN
    DATENVERARBEITUNG VON PATENTEN**
**SYSTEME, PROCEDE, ET PRODUIT DE PROGRAMMES INFORMATIQUES POUR LE TRAITEMENT
    DE DONNEES AXES SUR DES BREVETS D'INVENTION**
PATENT ASSIGNEE:
  MICROPATENT LLC, (2108681), 250 Dodge Avenue, East Haven, CT 06512, (US),
    (Proprietor designated states: all)
INVENTOR:
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  HOHMANN, Luke, 306 Windmill Park Lane, Mountain View, CA 94043, (US)
  PUGLIA, David, 17429 East Vineland Avenue, Los Gatos, CA 95030, (US)
  GORETSKY, David, 272 Waverly Street, Sunnyvale, CA 94086, (US)
  JACKSON, Adam, 1063 Morse Avenue 7-107, Sunnyvale, CA 94089, (US)
  RABB, Charles, Jr., 730 E. Evelyn 638, Sunnyvale, CA 94086, (US)
  SMITH, David, W., 3 Morning Sun Court, Mountain View, CA 94043, (US)
  PARK, Brian, 4029 Park Boulevard, Palo Alto, CA 94306, (US)
  THORNTHWAITE, Warren, 147 Hedge Road, Menlo Park, CA 94025, (US)
  NAVARRETE, Jorge, A., 160 Hedge Road, Menlo Park, CA 94025, (US)
LEGAL REPRESENTATIVE:
  Milhench, Howard Leslie et al (33863), R.G.C. Jenkins & Co. 26 Caxton
    Street, London SW1H 0RJ, (GB)
PATENT (CC, No, Kind, Date): EP 986789 A1   000322 (Basic)
                              EP 986789 B1   020918
                              WO 98055945 981210
APPLICATION (CC, No, Date):   EP 98930054 980602; WO 98US10923 980602
PRIORITY (CC, No, Date): US 867392 970602; US 921369 970829
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE
RELATED DIVISIONAL NUMBER(S) - PN (AN):
  EP 1184798 (EP 2001124936)
INTERNATIONAL PATENT CLASS (V7): G06F-017/30
CITED PATENTS (EP B): US 5544352 A; US 5623679 A
CITED PATENTS (WO A): US 5623679 A ; US 5544352 A
NOTE:
  No A-document published by EPO
LEGAL STATUS (Type, Pub Date, Kind, Text):
 Change: 010117 A1 Title of invention (German) changed: 20001128
 Application: 20000322 A1 Published application with search report
 Change: 060405 B1 Title of invention (French) changed: 20060405
 Change: 060405 B1 Title of invention (English) changed: 20060405
 Change: 060405 B1 Title of invention (German) changed: 20060405
 Lapse: 050112 B1 Date of lapse of European Patent in a
                            contracting state (Country, date): AT
                            20020918, BE 20020918, CH 20020918, LI
                            20020918, CY 20030602, DE 20021219, ES
                            20030328, GR 20020918, IE 20030602, LU
                            20030602, MC 20030630, NL 20020918, PT
                            20021219, SE 20021218,
 Lapse: 040901 B1 Date of lapse of European Patent in a
                            contracting state (Country, date): AT
                            20020918, BE 20020918, CH 20020918, LI
                            20020918, CY 20030602, DE 20021219, ES
                            20030328, GR 20020918, IE 20030602, NL

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                         20020918, PT 20021219, SE 20021218,
Lapse:           040922 B1 Date of lapse of European Patent in a
                         contracting state (Country, date):  AT
                         20020918, BE 20020918, CH 20020918, LI
                         20020918, CY 20030602, DE 20021219, ES
                         20030328, GR 20020918, IE 20030602, LU
                         20030602, NL 20020918, PT 20021219, SE
                         20021218,
Lapse:           040714 B1 Date of lapse of European Patent in a
                         contracting state (Country, date):  AT
                         20020918, BE 20020918, CH 20020918, LI
                         20020918, DE 20021219, ES 20030328, GR
                         20020918, IE 20030602, NL 20020918, PT
                         20021219, SE 20021218,
Lapse:           031126 B1 Date of lapse of European Patent in a
                         contracting state (Country, date):  AT
                         20020918, BE 20020918, CH 20020918, LI
                         20020918, DE 20021219, GR 20020918, NL
                         20020918, PT 20021219, SE 20021218,
Lapse:           030924 B1 Date of lapse of European Patent in a
                         contracting state (Country, date):  AT
                         20020918, CH 20020918, LI 20020918, GR
                         20020918, NL 20020918, PT 20021219, SE
                         20021218,
Lapse:           030716 B1 Date of lapse of European Patent in a
                         contracting state (Country, date):  GR
                         20020918, NL 20020918, PT 20021219, SE
                         20021218,
Lapse:           030528 B1 Date of lapse of European Patent in a
                         contracting state (Country, date):  GR
                         20020918, NL 20020918, SE 20021218,
Lapse:           030402 B1 Date of lapse of European Patent in a
                         contracting state (Country, date):  SE
                         20021218,
Assignee:        020807 A1 Transfer of rights to new applicant:
                         MICROPATENT LLC (2108681) 250 Dodge Avenue East
                         Haven, CT 06512 US
Examination:     010509 A1 Date of dispatch of the first examination
                         report: 20010323
Change:          010117 A1 Title of invention (English) changed: 20001128
Change:          010117 A1 Title of invention (French) changed: 20001128
Change:          011212 A1 Application number of divisional application
                         (Article 76) changed: 20011025
Grant:           020918 B1 Granted patent
Lapse:           030514 B1 Date of lapse of European Patent in a
                         contracting state (Country, date):  GR
                         20020918, SE 20021218,
Oppn:            030709 B1 Opposition 01/20030518 Opposition filed
                         Dr. Ralf Steiner (150840) Unterstudtlistr. 10
                         9470 Buchs (CH)
Lapse:           030730 B1 Date of lapse of European Patent in a
                         contracting state (Country, date):  AT
                         20020918, GR 20020918, NL 20020918, PT
                         20021219, SE 20021218,
Lapse:           031112 B1 Date of lapse of European Patent in a
                         contracting state (Country, date):  AT
                         20020918, CH 20020918, LI 20020918, DE
                         20021219, GR 20020918, NL 20020918, PT
                         20021219, SE 20021218,
Lapse:           040121 B1 Date of lapse of European Patent in a
                         contracting state (Country, date):  AT
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                              20020918, BE 20020918, CH 20020918, LI
                              20020918, DE 20021219, ES 20030328, GR
                              20020918, NL 20020918, PT 20021219, SE
                              20021218,
Lapse:              040901 B1 Date of lapse of European Patent in a
                              contracting state (Country, date):  AT
                              20020918, BE 20020918, CH 20020918, LI
                              20020918, CY 20030602, DE 20021219, ES
                              20030328, GR 20020918, IE 20030602, NL
                              20020918, PT 20021219, SE 20021218,
Lapse:              040922 B1 Date of lapse of European Patent in a
                              contracting state (Country, date):  AT
                              20020918, BE 20020918, CH 20020918, LI
                              20020918, CY 20030602, DE 20021219, ES
                              20030328, GR 20020918, IE 20030602, LU
                              20030602, NL 20020918, PT 20021219, SE
                              20021218,
Lapse:              050525 B1 Date of lapse of European Patent in a
                              contracting state (Country, date):  AT
                              20020918, BE 20020918, CH 20020918, LI
                              20020918, CY 20030602, DE 20021219, ES
                              20030328, FI 20020918, GR 20020918, IE
                              20030602, LU 20030602, MC 20030630, NL
                              20020918, PT 20021219, SE 20021218,
Application:     990414 A1 International application (Art. 158(1))
Examination:        20000322 A1 Date of request for examination: 19991230
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text  Language   Update    Word Count
     CLAIMS B  (English)   200238     5167
     CLAIMS B  (German)    200238     4403
     CLAIMS B  (French)    200238     5827
     SPEC B    (English)   200238    73976
Total word count - document A            0
Total word count - document B        89373
Total word count - documents A + B   89373
```

...SPECIFICATION or without the original group.
   Accordingly, the invention supports and facilitates "data drilling"
and/or " **data   mining** ."
   As noted above, according to the present invention, processing of the
patent information 204 is...groups are created according to HR (human
resources) information. In another example, the customer may **create**
groups to represent its competitors. In this case, the groups are created
according to **business** information or practices. In another example, the
customer may create groups based on its **future** products or feature
requirement. In this case, the groups are created according to its R...

17/5,K/4   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00971386   **Image available**
SYSTEM AND METHOD FOR KNOWLEDGE RETRIEVAL, MANAGEMENT, DELIVERY AND
    PRESENTATION
SYSTEME ET PROCEDE D'EXTRACTION, DE GESTION, DE DISTRIBUTION ET DE
    PRESENTATION DE CONNAISSANCES
Patent Applicant/Inventor:
  OMOIGUI Nosa, 549 239th Avenue S.E., Sammamish, WA 98074, US, US
    (Residence), US (Nationality)
Legal Representative:
  LOWE David A (agent), Black Lowe & Graham, PLLC, 816 2nd Avenue, Seattle,
    WA 98104, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200301413 A1 20030103 (WO 0301413)
  Application: WO 2002US20249 20020624 (PCT/WO US0220249)
  Priority Application: US 2001300385 20010622; US 2002360610 20020228
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
  SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class (v7): G06F-017/30
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 72828

English Abstract
  The present invention is directed to an integrated implementation
  framework and resulting medium for knowledge retrieval, management,
  delivery and presentation (Figure 8). The system includes a first server
  component that is responsible for adding and maintaining domain-specific
  semantic information and a second server component that hosts semantic
  and other knowledge for use by the first server compoment that work
  together to provide context and time-sensitive semantic information
  retrieval services to clients operating a presentation platform via a
  communication medium. Within the system, all objects or events in a given
  hierarchy are active Agents semanticaly related to each other and
  representing queries (comprised of underlying action code) that return
  data objects for presentation to the client according to a predetermined
  and customizable theme or "Skin". This system provides various means for
  the client to customize and "blend" Agents and the unerlying related
  queries to optimize the presentation of the resulting information.

French Abstract
  La presente invention concerne une structure de mise en oeuvre et un
  moyen associe integres, destines a l'extraction, a la gestion, a la
  distribution et a la presentation de connaissances (Fig. 8). Ce systeme
  comprend un premier composant de serveur concu pour accumuler et mettre a
  jour des informations semantiques specifiques a un domaine et un second

composant de serveur concu pour heberger des donnees semantiques et d'autres connaissances destinees a etre utilisees par le premier composant de serveur. Le premier et le second serveur cooperent pour fournir des services d'extraction d'informations semantiques asservies au temps et de contexte a des clients qui exploitent une plate-forme de presentation par l'intermediaire d'un moyen de communication. Dans le systeme, les objets ou les evenements dans une hierarchie donnee sont des Agents actifs lies semantiquement les uns aux autres, representant des requetes (comprenant des codes d'action sous-jacents) qui permettent de transmettre des objets de donnees pour qu'ils soient presentes au client en fonction d'une <= enveloppe >= ou d'un theme predetermine et personnalisable. Ce systeme fournit plusieurs moyens permettant au client de personnaliser et de <= melanger >= les Agents et les requetes associees sous-jacentes pour optimiser la presentation des informations resultantes.

Legal Status (Type, Date, Text)
Publication   20030103 A1 With international search report.
Publication   20030103 A1 Before the expiration of the time limit for
                           amending the claims and to be republished in the
                           event of the receipt of amendments.
Examination   20030703 Request for preliminary examination prior to end of
                        19th month from priority date

Fulltext Availability:
  Detailed Description

Detailed Description
... anew today or yesterday. Unless the user is notified or the user serendipitously discovers a **new** site when he or she does a **search** , he or she might not have any clue as to whether there are any **new** Web sites or pages. The same problem exists in enterprises. On Intranets, knowledge-workers have no way of knowing when **new** Web sites come up unless informed via some external means. The Web platform itself has...

...notion of annotmcements, or discovery. In addition,
  9
  there is no context-sensitive discovery to **determine** **new** sites or pages within the context of the user's task or current information space ...from the same problem-users either will have to find out about the existence of **new** information sources from external sources or through personal discovery when they perforin a **search** .

DYNAMIc LINKING
Today's Web employs a pure network or graph "data structure," for its... needs to be maintained for it to have continuous value. If Web pages are not **updated** or if Web page or site authors do not have the discipline to add links...

00871894   **Image available**
SYSTEM, METHOD AND MEDIUM FOR FACILITATING TRANSACTIONS OVER A NETWORK
SYSTEME, PROCEDE ET SUPPORT FACILITANT DES TRANSACTIONS SUR UN RESEAU
Patent Applicant/Assignee:
  2020ME HOLDINGS LTD, 12 Stratford Place, London WIC 1BB, GB, GB
    (Residence), GB (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  FROST Colin, 23 Ronver Road, Lee, London SE12 ONR, GB, GB (Residence), GB
    (Nationality), (Designated only for: US)
Legal Representative:
  PRICE Nigel John King (agent), J.A.KEMP & CO., 14 South Square, Gray's
    Inn, London, WC1R 5LX, GB,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200205153 A2-A3 20020117 (WO 0205153)
  Application: WO 2001IB1471 20010627   (PCT/WO IB01001471)
  Priority Application: US 2000612552 20000707
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
  TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class (v7): G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 49959

English Abstract
  A system, method and medium are disclosed for crating and utilizing a
  virtual representation of a real user, for example a person or business
  entity, to facilitate consumer-to-business and business-to-business
  transactions on networks and other electronic media such as interactive
  digital television, personal digital assistants, and mobile phones. The
  system may be broken down conveniently into seven layers, with each later
  performing a group of functions within the system. A first layer assures
  the integrity and security of the consumer to business to business
  (C2B"sup"2) system of the present invention and the interface between the
  C2B"sup"2 system and individual users. A second layer identifies and
  supports user requirements at a given time, and provides status
  information. A third layer acquires, stores and processes user attributes
  in order to form and nurture the user's virtual representation. A fourth
  layer defines and obtains from a user the data and information necessary
  to service his or her requirements and secures and filters responses from
  suppliers to meet those requirements. A fifth layer completes and stores
  commercial transactions and supports a full range of commercial
  processes. A sixth layer carries out aggregation and presentation of
  statistical data gathered anonymously from the attributes of a large
  number of users, and the dissemination of consumer demand data down the
  supply chain. A seventh layer supports location-specific services and

responses to user requirements and preferences. Full integration of all
seven layers into a cohesive whole results in a novel, integrated
C2B"sup"2 system.

French Abstract
  L'invention concerne un systeme, un procede et un support permettant de
  creer et d'utiliser une representation virtuelle d'un utilisateur reel,
  par exemple une personne ou une entreprise, afin de faciliter des
  transactions consommateur-entreprise et entreprise-entreprise sur des
  reseaux et sur d'autres supports electroniques tels que la television
  numerique interactive, des assistants numeriques personnels et des
  telephones mobiles. Le systeme peut etre commodement reparti en sept
  couches, chacune realisant ulterieurement un groupe de fonctions dans le
  systeme. Une premiere couche permet d'assurer l'integrite et la securite
  du systeme consommateur-entreprise-entreprise (C2B"sup"2) de l'invention
  et de l'interface entre le systeme C2B"sup"2 et des utilisateurs
  individuels. Une deuxieme couche permet d'identifier et de supporter des
  besoins utilisateur a un moment donne, et d'obtenir une information
  d'etat. Une troisieme couche permet d'acquerir, de stocker et de traiter
  des attributs utilisateur de facon a former et a entretenir la
  representation virtuelle de l'utilisateur. Une quatrieme couche permet de
  definir et d'obtenir d'un utilisateur les donnees et l'information
  necessaires afin de repondre a ses besoins et de securiser et de filtrer
  des reponses de fournisseurs destinees a correspondre a ces besoins. Une
  cinquieme couche permet de completer et de stocker des transactions
  commerciales et de supporter un plein domaine de processus commerciaux.
  Une sixieme couche realise l'agregation et la presentation de donnees
  statistiques collectees anonymement a partir des attributs d'un grand
  nombre d'utilisateurs, ainsi que la dissemination des donnees de demande
  consommateur vers la chaine d'approvisionnement. Une septieme couche sert
  de support a des services specifiques d'emplacement et a des reponses aux
  besoins et aux preferences utilisateur. L'integration complete de ces
  sept couches en un ensemble concerte mene a un systeme C2B"sup"2 integre.

Legal Status (Type, Date, Text)
Publication   20020117 A2 Without international search report and to be
                         republished upon receipt of that report.
Examination   20020328 Request for preliminary examination prior to end of
                         19th month from priority date
Search Rpt   20040415 Late publication of international search report
Republication 20040415 A3 With international search report.

Fulltext Availability:
  Detailed Description

Detailed Description
... in background jobs. In both cases reports are generated by MetaEngine
  275 which can be **stored** in **MetaData** 276 and subsequently **retrieved**
  at any time by a user for **historical** analysis through the **MetaData**
  Browser 277. Such reports can be sent through MetaData Pusher 278 to
  third parties, such as the suppliers themselves, consumers, publishing
  houses, market research **companies** , consumer associations, etc.
  Supplier-specific feedback is used to monitor suppliers' **performance**
  over time, and ratify their supplier rating with a view to promoting,
  sustaining or demoting...

...256 altogether if that is warranted. Alternatively in the cases where a
  particular suppliers' under- **performance** can be pin-pointed to a
  particular product or service, said product or service can...

...FIG. 10 shows an exemplary process by which the C2B 2 system of the

invention **determines** the product or service indicated by a request expressed by RealMe and second those suppliers...

...be solicited. At 1000, CRP 250 retrieves the next (in order of submission by RealMe) **new** **inquiry** from RIM 221, for example the **new** **inquiry** corresponding to the raw **inquiry** Tix my insurance" described in FIG. 7. At 1005, the CRP 250 conducts an intelligent match **determines** whether further resolution of the product/service type is required. In the insurance example cited...

...I was identified as the product/service; however, more infonnation is necessary in order to **determine** which type of insurance is required. The CRP's 250 objective is to get to...
...255, and the PSU initiates a process to identify, validate and subsequently confirm the nominated **new** product/service to the PSU.

At 1010, if there is no successflal match, the inquiry...

17/5,K/11   (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00858385
METHOD AND APPARATUS FOR PROVIDING CUSTOMIZED INFORMATION
PROCEDE ET APPAREIL SERVANT A METTRE A DISPOSITION DES INFORMATIONS
   PERSONNALISEES
Patent Applicant/Assignee:
  INTELLIBRIDGE CORPORATION, Suite 200, 3307 M Street, N.W., Washington, DC
    20007, US, US (Residence), -- (Nationality)
Inventor(s):
  ROTHKOPF David, Intellibridge Corporation, Suite 200, 3307 M Street,
    N.W., Washington, DC 20007, US,
Legal Representative:
  WHITE Grady L (agent), Covington & Burling, 1201 Pennsylvania Avenue,
    N.W., Washington, DC 20004-2401, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200191348 A1 20011129 (WO 0191348)
  Application: WO 2001US16198 20010521 (PCT/WO US0116198)
  Priority Application: US 2000205251 20000519
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
  LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
  TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class (v7): H04J-011/00
International Patent Class (v7): G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 15090

English Abstract
 'A method and apparatus for providing customized information to a
  customer. The invention enables a provider to provide customized
  information in the form of summaries, analysis and stories, that has been
  determined to be useful to the customer. The customer may receive the
  customized information from the provider in a variety of ways, including
  via a customized information portal, an email, a facsimile, etc.

French Abstract
  La presente invention concerne un procede et un appareil servant a mettre
  des informations personnalisees a la disposition d'un client. L'invention
  permet a un prestataire de fournir des informations personnalisees se
  presentant sous la forme de resumes, d'analyses, et d'historiques, qui
  ont etes determinees comme utiles au client. Le client peut recevoir les
  informations personnalisees du prestataire de differentes facon, y
  compris via un portail d'informations personnalise, une boite de courrier
  electronique, un telecopieur, etc.

Legal Status (Type, Date, Text)
Publication 20011129 A1 With international search report.

Fulltext Availability:
  Detailed Description

Detailed Description
... webcasts can feature selected outside experts, consultants, and guests
   for commentary on current and. breaking **news** , in a foirnat that enables
   audience members to participate in the discussion. In addition, webcasts
   ...

...comnion interests, and experts who can address those interests. lftl
   interactive webcasts, participants can pose **questions** and make comments
   from their keyboards, from micropliones attached to their PCs, via the
   teleplione...

...of the webcasts such that they are available anywhere and anytime. In
   some embodiments, the **performance** of the provider's video technology is
    enhanced by installing video relay devices in or near customer sites.

   Webcasts, either from the webcast...

...Such newscasts can be implemented using streaming video or broadcast
   technologies.

   22 Webcasts may be **stored** in the database, for later **retrieval** in
   response to **queries** .
   In some embodiments, transcripts are prepared using voice-recognition
   software to allow for **search** responses based on the entire text of the
   webcast.

   Returning to FIG. 4, market information...

...party provider. One third-party source of market infonnation is Factiva,
   a Dow Jones & Reuters **company** . In the embodiment depicted in FIG. 4,
   the user is provided with market snapshot field...

...and selected stock quotes 432.

   Mark.et snapshot field 431 provides charts of financial market
   performance data.

   The precise charts provided may be specific to each customer, based on
   the survey...

...wants to see.

   Area 432 enables the user to view quotes of customer and competitor
   company stock, **futures** quotes, commodity prices, foreign exchange
   quotes, as weIl· as internal customer data such as sales...

...inforination computer system, such as an intranet. In one embodiment,
   individual employees of a customer **company** can choose what types of
   inforination they will receive in area 432. This option is...

DIALOG(R)File 349:PCT FULLTEXT
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00857279   **Image available**
METHOD AND APPARATUS FOR PROVIDING CUSTOMIZED INFORMATION
PROCEDE ET DISPOSITIF DE FOURNITURE D'INFORMATION PERSONNALISEE
Patent Applicant/Assignee:
  INTELLIBRIDGE CORPORATION, Suite 200, 3307 M Street, N.W., Washington, DC
    20007, US, US (Residence), US (Nationality)
Inventor(s):
  ROTHKOPF David, Intellibridge Corporation, Suite 200, 3307 M Street,
    N.W., Washington, DC 20007, US,
Legal Representative:
  WHITE Grady L (agent), Covington & Burling, 1201 Pennsylvania Avenue,
    N.W., Washington, DC 20004-2401, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200190944 A1 20011129 (WO 0190944)
  Application: WO 2001US16093 20010518 (PCT/WO US0116093)
  Priority Application: US 2000205251 20000519
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004).
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
  LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
  TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class (v7): G06F-017/30
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 15101

English Abstract
  A method and apparatus for providing customized information to a customer
  (310). The invention enables a provider (336) to provide customized
  information in the form of summaries, analysis and stories, that has been
  determined to be useful to the customer. The customer (310) may receive
  the customized information from the provider in a variety of ways,
  including via a customized information portal, an email, a facsimile,
  etc.

French Abstract
  La presente invention concerne un procede et un appareil permettant de
  fournir a un client (310) de l'information personnalisee. L'invention
  permet a un fournisseur (336) de fournir de l'information personnalisee
  sous forme de resumes, d'analyses et de textes complets dont il a ete
  etabli qu'ils conviennent particulierement au client. Le client (310)
  peut ainsi recevoir l'information personnalisee en provenance du
  fournisseur par differentes voies, et notamment un portail d'information
  personnalise, un courrier electronique ou une telecopie.

Legal Status (Type, Date, Text)
Publication 20011129 A1 With international search report.
Publication 20011129 A1 Before the expiration of the time limit for

Fulltext Availability:
  Detailed Description
Detailed Description
...   webeasts can feature selected outside expeirts, consultants, and
  guests for commentary on current and breaking **news** , in a farmat that
  enables audience members to participate in the discussion. In addition,
  webcasts...

...cominon interests, and experts who can address those interests. In
  interactive webcasts, participants can pose **questions** and make comments
  from their keyboards, from microphones attached to their PCs, via the
  telephone...

...of the webcasts such that they are available anywhere and anytime. In
  some embofinents, the **performance** of the provider's video tecImology is
   enhanced by installing video relay devices in or near customer sites.

  Webcasts, either from the webcast...

...newscast.

  Such newscasts can be implemented using streaming video or broadcast
  technologies.
  Webcasts may be **stored** in the database, for later **retrieval** in
  response to **queries** .

  In some embodiments, transcripts are prepared using voice-recognition
  software to allow for **search** responses based on the entire text of the
  webcast.

  Returning to FIG. 4, market information...

...party provider. One third-party source of market information is Factiva,
  a Dow Jones & Reuters **company** . In the embodiment depicted in FIG. 4,
  the user is provided with market snapshot field 431 and selected stock
  quotes 432.

  Market snapshot field 431 provides charts of financial market
  performance data.

  The precise charts provided may be specific to cach customer, based on
  the survey...

...wants to see.
  Area 432 enables the user to view quotes of customer and competitor
  company stock, **futures** quotes, commodity prices, foreign exchange
  quotes, as weIl as internal customer data such as sales...

...information computer system, such as an intranet. In one embodiment,
  individual employees of a customer **company** can choose what types of
  inforination they will receive in area 432. This option is...

```
Set     Items    Description
S1     285885    (NEW??? OR ENHANC? OR UPDATE? ? OR UPDATING? OR UP()DATE? ?
                 OR MODIF? OR REVIS??? OR REFIN? OR META)(7N)(SEARCH? OR RESE-
                 ARCH? OR RETRIEV? OR INQUIR? QR QUERY? OR QUERIES OR REQUEST?
                 OR METAQUER? OR DATAMIN? OR DATA()MIN??? ? OR METADATA?)
S2      69934    S1(7N)(CREAT? OR PRODUC? OR DEVELOP? OR ORIGINAT? OR MAKE?
                 ? OR MAKING? OR MADE OR GENERAT? OR YIELD? OR CONSTRUCT? OR I-
                 NITIAT? OR INTRODUC?)
S3     220301    (ORIGINAL? OR HISTOR? OR OLD??? OR PREVIOUS? OR PRIOR OR S-
                 TORE? ? OR EARLY OR EARLIE? ? OR PRECED??? OR REFEREN?)(7N)(S-
                 EARCH? OR RESEARCH? OR RETRIEV? OR INQUIR? OR QUERY? OR QUERI-
                 ES OR REQUEST? OR METAQUER? OR METADATA? OR META()QUER??? ? OR
                 DATAMIN?)
S4      54035    S3(7N)(USED OR USES OR USING OR UTILI? OR APPLY? OR APPLIE?
                 ? OR EMPLOY? OR EXECUT? OR PERFORM? OR IMPLEMENT? OR BENEFIT?
                 OR REFERENC?)
S5        925    S2 AND S4
S6        117    S1:S5 AND (PREDICT? OR FORCAST? OR PROGNOST? OR FUTURE? OR
                 DETERMIN? OR PROBABIL?)(5N)(BUSINESS? OR COMPAN? OR INDUSTR? -
                 OR CORPORAT?)(3N)(PERFORMANCE? OR OUTLOOK? OR WORTH)
S7          1    S6 AND (NEW??? OR ENHANC? OR UPDAT?)(3N)(QUER??? ? OR SEAR-
                 CH? OR QUESTION?)
S8          3    S6 AND (METAQUER? OR META()QUER??? ? OR DATAMIN? OR DATA()-
                 (MINE? ? OR MINING))
S9          4    S7:S8
File    2:INSPEC 1898-2007/Mar W1
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File    6:NTIS 1964-2007/Mar W2
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File   95:TEME-Technology & Management 1989-2007/Mar W2
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File   99:Wilson Appl. Sci & Tech Abs 1983-2007/Feb
        (c) 2007 The HW Wilson Co.
File  111:TGG Natl.Newspaper Index(SM) 1979-2007/Mar 08
        (c) 2007 The Gale Group
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        (c) 2007 American Mathematical Society
File  256:TecInfoSource 82-2007/Oct
        (c) 2007 Info.Sources Inc
File  434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
        (c) 2006 The Thomson Corp
File  583:Gale Group Globalbase(TM) 1986-2002/Dec 13
        (c) 2002 The Gale Group
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